

ESPRIMO™ E Series

Your desktop without compromises

Issue March 2008

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Economy

Sophisticated technologies for best in class economy.

Reduce cost of your professional PC by lowest energy consumption! The switched monitor outlet powers the display through the system. Switching off the systems means disconnecting the display, this saves up to ~ 20 % of the display power consumption annually. Additionally, software and BIOS power management solutions reduce the overall average power consumption.

Further Total Cost of Ownership reductions are achieved through a comprehensive set of manageability features, sophisticated security solutions and a service friendly cabinet design.

For highest economy, ESPRIMO professional PCs are designed to increase your productivity and to decrease your cost.

Reliability

- Complete system development and manufacturing by Fujitsu Siemens Computers guarantees highest quality
- Platform stability and product continuity with managed lifecycle up to 18 month and chipset diversity

Environment

- Build with specially selected materials, the ESPRIMO Green PC brings economy and ecology in harmony
- From development to production, from transport to recycling – minimize the impact on the environment and limit the use of unrecoverable resources.
- Certified with the new Energy Star® 4.0 (optional)

Ergonomics

- Sophisticated hardware design with optimized fans and air flow provides most silent system for an efficient working environment
- Best usability and complete quality – service friendly cabinet and easy access to all components

Customizing

- Tailor-made products to meet customer individual requirements
- Freedom of choice with systems which perfectly fit to specific customer

Manageability

- Reduce Total Cost of Ownership with a comprehensive set of system management features
- Easy and remote administration with DeskView client management

Security

- Access and data protection with sophisticated hardware and software components for secure systems
- Protect property – secure hardware and data and limit access with SmartCard Reader



	E5615, EPA	E5615	E5616	E5625	E5625 EPA	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
Mainboard									
Chipset	NVIDIA C51PV	NVIDIA C51PV	NVIDIA C51PV D2464-B TPM	NVIDIA MCP78PV	NVIDIA MCP78PV	iQ33	iQ33	iQ35 vPRO	iQ35 vPRO
Mainboard Number	D2464-A	D2464-A		D2724	D2724	D2594	D2594	D2598	D2598
Mainboard form factor	proprietary	proprietary	proprietary	proprietary Socket AM2+	proprietary Socket AM2+	proprietary	proprietary	proprietary	proprietary
Processor socket	Socket AM2	Socket AM2	Socket AM2			LGA 775	LGA 775	LGA 775	LGA 775
Front side bus resp. system bus support	2000 MHz Phoenix Vers. 6.0	2000 MHz Phoenix Vers. 6.0	2000 MHz Phoenix Vers. 6.0	4000MHz Phoenix Vers. 6.0	4000MHz Phoenix Vers. 6.0	800/1066/1333 MHz Phoenix Vers. 6.0	800/1066/1333 MHz Phoenix Vers. 6.0	800/1066/1333 MHz Phoenix Vers. 6.0	800/1066/1333 MHz Phoenix Vers. 6.0
BIOS version									
Flash EPROM BIOS update by software	x	x	x	x	x	x	x	x	x
Recovery BIOS	x	x	x	x	x	x	x	x	x
Processor									
Intel® Core™ 2 Quad Q9xxx	-	-	-	-	-	-	-	up to Q9450 (04/08)	up to Q9450 (04/08)
Second level cache	-	-	-	-	-	-	-	6MB/12MB	6MB/12MB
Front side bus (FSB)	-	-	-	-	-	-	-	1333MHz	1333MHz
Intel® Core™2 Duo E8xxx	-	-	-	-	-	up to E8500	up to E8500	up to E8500	up to E8500
Second level cache	-	-	-	-	-	6MB	6MB	6MB	6MB
Front side bus (FSB)	-	-	-	-	-	1333MHz	1333MHz	1333MHz	1333MHz
Intel® Core™2 Duo E6xxx	-	-	-	-	-	up to E6850	up to E6850	up to E6850	up to E6850
Second level cache	-	-	-	-	-	4MB	4MB	4MB	4MB
Front side bus (FSB)	-	-	-	-	-	1333MHz	1333MHz	1333MHz	1333MHz
Intel® Core™2 Duo E4xxx	-	-	-	-	-	up to E4600	up to E4600	up to E4600	up to E4600
Second level cache	-	-	-	-	-	2MB	2MB	2MB	2MB
Front side bus (FSB)	-	-	-	-	-	800MHz	800MHz	800MHz	800MHz
Intel® Pentium™ Dual core E2xxx	-	-	-	-	-	up to E2200	up to E2200	up to E2200	up to E2200
Second level cache	-	-	-	-	-	1MB	1MB	1MB	1MB
Front side bus (FSB)	-	-	-	-	-	800MHz	800MHz	800MHz	800MHz
Intel® Celeron	-	-	-	-	-	up to 440	up to 440	up to 440	up to 440
Second level cache	-	-	-	-	-	512 KB	512 KB	512 KB	512 KB
Front side bus (FSB)	-	-	-	-	-	800 MHz	800 MHz	800 MHz	800 MHz
Phenom™ X4 Quad core (socket)	-	-	-	up to 9550 (AM2+)	-	-	-	-	-
L2 cache	-	-	-	2MB	-	-	-	-	-
L3 cache	-	-	-	2MB	-	-	-	-	-
System Bus support	-	-	-	3600 MHz up to 8450 (AM2+)	-	-	-	-	-
Phenom™ X3 Triple Core (socket)	-	-	-	up to 8450 (AM2+)	-	-	-	-	-
L2 cache	-	-	-	1,5MB	-	-	-	-	-
L3 cache	-	-	-	2MB	-	-	-	-	-
System Bus support	-	-	-	3200 MHz up to 5600+ (AM2)	up to 5600+ (AM2)	-	-	-	-
Athlon™ 64 X2 Dual Core (socket)	-	-	-	up to 2MB	up to 2MB	-	-	-	-
L2 cache	-	-	-	-	-	-	-	-	-
L3 cache	-	-	-	2000 MHz	2000 MHz	-	-	-	-
System Bus support	-	-	-	4450e (AM2)	4450e (AM2)	-	-	-	-
Athlon™ X2 Dual Core (socket)	-	-	-	1MB	1MB	-	-	-	-
Energy efficient	-	-	-	-	-	-	-	-	-
L2 cache	-	-	-	2000 MHz LE-1640 (AM2)	2000 MHz LE-1640 (AM2)	-	-	-	-
L3 cache	-	-	-	512 MB	512 MB	-	-	-	-
System Bus support	-	-	-	-	-	-	-	-	-
Athlon™ Single Core (socket) Energy efficient	-	-	-	2000 MHz LE-1250 (AM2)	2000 MHz LE-1250 (AM2)	-	-	-	-
L2 cache	-	-	-	512 KB	512 KB	-	-	-	-
L3 cache	-	-	-	-	-	-	-	-	-
System Bus support	-	-	-	1600 MHz	1600 MHz	-	-	-	-
AMD Athlon™ 64 X2 (socket)	up to 5200+ (AM2)	up to 5200+ (AM2)	up to 5200+ (AM2)	-	-	-	-	-	-
Second level cache	2 x 512 KB	2 x 512 KB	2 x 512 KB	-	-	-	-	-	-
System Bus support	2000 MHz	2000 MHz	2000 MHz	-	-	-	-	-	-
AMD Athlon™ 64 (socket)	3800+ (AM2)	3800+ (AM2)	up to 3800+ (AM2)	-	-	-	-	-	-
Second level cache	512 KB	512 KB	512 KB	-	-	-	-	-	-
System Bus support	2000 MHz	2000 MHz	2000 MHz	-	-	-	-	-	-
AMD Sempron™ (socket)	3600+ (AM2)	3600+ (AM2)	3600+ (AM2)	-	-	-	-	-	-
Second level cache	256 KB	256 KB	256 KB	-	-	-	-	-	-
System Bus support	1600MHz	1600MHz	1600MHz	-	-	-	-	-	-
AMD Athlon™ X2 (socket) Energy efficient	BE-2350 (AM2)	BE-2350 (AM2)	BE-2350 (AM2)			-	-	-	-
Second level cache	2x 512 KB	2x 512 KB	2x 512 KB			-	-	-	-
System Bus support	2000Mhz	2000Mhz	2000Mhz			-	-	-	-
Memory									
Memory support	533/667/800 MHz	533/667/800 MHz	533/667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz
DIMM slots	4	4	4	4	4	4	4	4	4

	E5615, EPA	E5615	E5616	E5625	E5625 EPA	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
dual channel support	x	x	x	x	x	x	x	x	x
Max. capacity DDR2 SDRAM for dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules)	8GB	8GB	8GB	8GB	8GB	8GB	8GB	8GB	8GB
Interfaces									
Mouse/keyboard (PS2)	x/x	x/x	x/x	x/x	x/x	x / x	x / x	x / x	x / x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x	x	x	x	x	x	x	x	x
Second serial port	x	x	x	x	x	x	x	x	x
Parallel (25pin with EPP and ECP)	-	-	-	optional	optional	optional	optional	optional	optional
Display (15 pin, VGA)	x	x	x	x	x	x	x	x	x
DVI	optional	optional	optional	optional	optional	optional	optional	optional	optional
Micro (mono) rear	-	-	-	-	-	-	-	-	-
Line in (stereo) rear	x	x	x	x	x	x	x	x	x
Line out (stereo) rear	x	x	x	x	x	x	x	x	x
Micro (stereo) front	x	x	x	x	x	x	x	x	x
Headphone in front	x	x	x	x	x	x	x	x	x
LAN RJ45	x	x	x	x	x	x	x	x	x
Universal Serial Bus (USB 2.0) in total therefore	8	8	8	10	10	12	12	12	12
USB rear	4	4	4	6	6	6	6	6	6
USB front	2	2	2	2	2	2	2	2	2
USB internal	2	2	2	2	2	4	4	4	4
Interfaces add on cards/components									
Dual port RS232 , serial eSATA cable	optional -	optional -	optional -	optional optional	optional optional	optional optional	optional optional	optional optional	optional optional
Parallel cable (25pin with EPP and ECP)	- optional	- optional	- optional	optional optional	optional optional	optional optional	optional optional	optional optional	optional optional
Multicardreader	optional	optional	optional	optional	optional	optional	optional	optional	optional
Input device/components									
USB wheel mouse	x	x	x	-	-	-	-	-	-
Optical USB Tilt wheel mouse	-	-	-	x	x	x	x	x	x
Optical USB/PS2 Tilt wheel mouse	optional	optional	optional	optional	optional	optional	optional	optional	optional
LAN on board									
10/100/1000 MBit/s	NVIDIA C51PV	NVIDIA C51PV	NVIDIA C51PV	Broadcom BCM5787	Broadcom BCM5787	Broadcom BCM5754	Broadcom BCM5754	Intel® 82566DM	Intel® 82566DM
Wake up on LAN (WOL)	x	x	x	x	x	x	x	x	x
PXE	x	x	x	x	x	x	x	x	x
BootP	tested	tested	tested	tbd	tbd	tested	tested	tested	tested
LAN add on cards									
Gigabit Ethernet, PCI Express x1	- optional, combination s limited	- optional	- optional	- optional	- optional	- optional	- optional	- optional	- optional
Gigabit Ethernet, PCI, SysKonnect		optional	optional	optional	optional	optional	optional	optional	optional
Audio on board									
Internal speaker supports audio playback	x Realtek ALC 260	x Realtek ALC 260	x Realtek ALC 260	x Realtek ALC 262	x Realtek ALC 262	x Realtek ALC 262	x Realtek ALC 262	x Realtek ALC 262	x Realtek ALC 262
High definition audio									
I/O controller onboard									
Fast IDE/Ultra DMA-100 bus master capability	-	-	-	-	-	-	-	-	-
Serial ATA / thereof eSATA	4 / 0	4 / 0	4 / 0	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
Serial ATA II / 3GBit	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x
Raid 1/0	x	x	x	x	x	-	-	x	x
Drive bays									
internal 3,5"	3 1	3 1	3 1	3 1	3 1	3 1	3 1	3 1	3 1
external 3,5"	1* 1*	1* 1*	1* 1*	1* 1*	1* 1*	1* 1*	1* 1*	1* 1*	1* 1*
external 5,25"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"
Floppy disk drive 1.44 MB standard	optional	optional	optional	optional	optional	optional	optional	optional	optional
Hard disk drives									
Serial ATA II 80 / 160 / 250 / 500 GB supporting NCQ and 3GBit (if chipset support is available)	x/x/x/-	x/x/x/-	x/x/x/-	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x
Optical drives (SATA)									
16/48-speed DVD ROM	optional	optional	optional	optional	optional	optional	optional	optional	optional
DVD SuperMulti writer double layer support	optional	optional	optional	optional	optional	optional	optional	optional	optional
Slots									
PCI	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile
PCI Express x16	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile
PCI Express x1	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile

	E5615, EPA	E5615	E5616	E5625	E5625 EPA	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional
Graphic on board	NVIDIA C51PV (Geforce 6150LE)	NVIDIA C51PV (Geforce 6150LE)	NVIDIA C51PV (Geforce 6150LE)	Geforce 8200	Geforce 8200	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100
Shared memory depending on driver	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB
3D SW interface	DirectX 9	DirectX 9	DirectX 9	DirectX 10	DirectX 10	DirectX 9	DirectX 9	DirectX 9	DirectX 9
Resolution (color depth up to 32 Bit/pixel)									
1024 x 768 (recommended / max*)	120 / 200 Hz	120 / 200 Hz	120 / 200 Hz	120 / 200 Hz	120 / 200 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1280 x 1024 (recommended / max*)	100 / 150 Hz	100 / 150 Hz	100 / 150 Hz	100 / 150 Hz	100 / 150 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz
1440 x 900 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.									
Graphic add on cards									
NVIDIA GeForce 8400 256 MB, LP (DirectX 10)	-	-	-	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 128MB, LP (DirectX 9)	optional	optional	optional	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 256MB, LP (DirectX 9)	optional	optional	optional	optional	optional	optional	optional	optional	optional
NVIDIA Quadro NVS 290 256MB, LP (DirectX10)	-	-	-	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 128MB (DirectX 9)	-	-	-	-	-	-	-	-	-
NVIDIA GeForce FX 7300LE 256MB (DirectX 9)	-	-	-	-	-	-	-	-	-
NVIDIA Quadro NVS 290 256MB (DirectX10)	-	-	-	-	-	-	-	-	-
DVI adapter incl. Dual Monitoring (DVI/VGA)	optional	optional	optional	optional	optional	optional	optional	optional	optional
Dual-DVI adapter incl. Dual Monitoring (DVI/DVI)	-	-	-	-	-	optional	optional	optional	optional
Electrical values	80+ PSU	80+ PSU	80+ PSU	80+ PSU	80+ PSU	80+ PSU	80+ PSU	80+ PSU	80+ PSU
Rated voltage range, AC	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V
Rated frequency range	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Operating voltage range, AC	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V
Operating line frequency range	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Max. output of power supply	300W	270 W	270 W	270 W	300W	270 W	300W	270 W	300W
PFC (power factor correction)	active	active	active	active	active	active	active	active	active
	yes,	yes,	yes,	yes,	yes,	yes,	yes,	yes,	yes,
Monitor outlet	switched	switched	switched	switched	switched	switched	switched	switched	switched
Power consumption for standard configuration (W) / CPU (1GB memory, HD, ODD, FDD, Operating system) in Watt	Athlon 64 X2 5200+	Athlon 64 X2 4200+	Athlon 64 X2 4200+			Celeron 430; E6850 69W / 100W	Celeron 430; E6850 69W / 100W	Celeron 430; E6850 72W / 101W	Celeron 430; E6850 72W / 101W
Maximum (S0, running app. CD in use)	102W	102W	102W	tbd	tbd	62W / 90W	62W / 90W	63 W / 89W	63 W / 89W
Average (S0, running OS, Idle mode)	43W	47W	47W	tbd	tbd	44W / 45W	44W / 45W	45W / 45W	45W / 45W
Stand by (S3, energy saving modus, WOL enabled)	2,7W	2,8W	2,8W	tbd	tbd	1,6W	1,6W	1,8W	1,8W
Minimum (ACPI status S5, soft off, WOL enabled)	1,1W	1,2W	1,2W	tbd	tbd	1,5W	1,5W	1,7W	1,6W
Minimum (ACPI status S5, soft off, wake up power button only)	0,9W	0,9W	0,9W	tbd	tbd	-	-	-	-
Heat dissipation (kJ/h / BTU/h) / CPU	Athlon 64 X2 5200+	Athlon 64 X2 4200+	Athlon 64 X2 4200+			E6850	E6850	E6850	E6850
Maximum (S0, running app. CD in use)	367 kJ/h / 348 BTU/h	367 kJ/h / 348 BTU/h	367 kJ/h / 348 BTU/h	tbd	tbd	360 kJ/h / 341 BTU/h	324 kJ/h / 307 BTU/h	364 kJ/h / 345 BTU/h	320 kJ/h / 304 BTU/h
Average (S0, running OS, Idle mode)	155 kJ/h / 147 BTU/h	169 kJ/h / 160 BTU/h	169 kJ/h / 160 BTU/h	tbd	tbd	191 kJ/h / 181 BTU/h	162 kJ/h / 154 BTU/h	187 kJ/h / 177 BTU/h	162 kJ/h / 154 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	9,7 kJ/h / 9,2 BTU/h	10 kJ/h / 9,6 BTU/h	10 kJ/h / 9,6 BTU/h	tbd	tbd	5,8 kJ/h / 5,5 BTU/h	5,8 kJ/h / 5,5 BTU/h	6,5 kJ/h / 6,1 BTU/h	6,5 kJ/h / 6,1 BTU/h
Minimum (ACPI status S5, soft off, WOL enabled)	4,0 kJ/h / 3,8 BTU/h	4,3 kJ/h / 4,1 BTU/h	4,3 kJ/h / 4,1 BTU/h	tbd	tbd	5,4 kJ/h / 5,1 BTU/h	5,4 kJ/h / 5,1 BTU/h	6,2 kJ/h / 5,8 BTU/h	5,8 kJ/h / 5,5 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h									
Noise for standard configuration (HDD, ODD, FDD)	Athlon 64 X2 4200+	Athlon 64 X2 4200+	Athlon 64 X2 4200+	Phenom 9600	Phenom 9600	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850

	E5615, EPA	E5615	E5616	E5625	E5625 EPA	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
A weighted sound power level Lw_{ad} (in B) / Workplace related A-weighted sound pressure level Lp_{Am} (in dB(A)), (bystander position) (ISO9296)									
Operation mode 1: ODD load (Blue angel requirement)	4,2B / 28dB	4,2B / 28dB	4,2B / 28dB	5,2B / 38dB	5,2B / 38dB	4,7B / 32dB ; 4,6B / 32dB	4,7B / 32dB ; 4,6B / 32dB	4,7B / 32dB	4,7B / 32dB
Operation mode 2: HDD load (Blue angel requirement)	3,8B / 23dB	3,8B / 23dB	3,8B / 23dB	3,4B / 18dB	3,4B / 18dB	3,7B / 22dB ; 3,4B / 18dB	3,7B / 22dB ; 3,4B / 18dB	3,5B / 20dB ; 3,6B / 20dB	3,5B / 20dB ; 3,6B / 20dB
Operation mode 3: CPU 90% load (Blue angel requirement)	3,5B / 21dB	3,5B / 21dB	3,5B / 21dB	3,8B / 23dB	3,8B / 23dB	3,3B / 17dB ; 3,6B / 20dB	3,3B / 17dB ; 3,6B / 20dB	3,3B / 17dB ; 3,6B / 21dB	3,3B / 17dB ; 3,6B / 21dB
Operation mode 4: High load	4,0B / 25dB	4,0B / 25dB	4,0B / 25dB	3,8B / 23dB	3,8B / 23dB	3,7B / 22dB ; 3,9B / 21dB	3,7B / 22dB ; 3,9B / 21dB	3,6B / 20dB ; 3,7B / 22dB	3,6B / 20dB ; 3,7B / 22dB
Operation mode 5: Office applications	3,8B / 23dB	3,8B / 23dB	3,8B / 23dB	3,5B / 19dB	3,5B / 19dB	3,7B / 21dB ; 3,5B / 23dB	3,7B / 21dB ; 3,5B / 23dB	3,5B / 20dB ; 3,7B / 21dB	3,5B / 20dB ; 3,7B / 21dB
Idle mode (Blue angel requirement)	3,6B / 21dB	3,6B / 21dB	3,6B / 21dB	3,4B / 18dB	3,4B / 18dB	3,4B / 17dB ; 3,4B / 17dB	3,4B / 17dB ; 3,4B / 17dB	3,3B / 16dB ; 3,4B / 17dB	3,3B / 16dB ; 3,4B / 17dB
Ambient temperature (IEC 721)	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C
Dimensions	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm
Operating position (vertical/horizontal)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)
Weight (depending on config)	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg
Approvals and standards									
CE certification according to EU Directives 89/336/EEC (EMC) and 06/95/EC (Product safety)	x	x	x	x	x	x	x	x	x
Ergonomics ISO9241 (GS mark)	x	x	x	x	x	x	x	x	x
Product safety IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x	x	x	x	x	x	x	x	x
Electromagn. compatibility EN55022/B, FCC class B, EN55024, EN61000-3-2/3	x	x	x	x	x	x	x	x	x
Environmental compatibility									
RoHS (Restriction of hazardous substances)	x	x	x	x	x	x	x	x	x
WEEE (Waste electrical and electronical equipment)	x	x	x	x	x	x	x	x	x
Energy Star	x (4.0)	-	-	-	x (4.0)	-	x (4.0)	-	x (4.0)
Blue Angel 2007	x	x	x	tbd	tbd	x	x	x	x
Nordic Swan	x	x	x	tbd	tbd	x	x	x	x
Med certification according to EN60950 and EN60601-1-	-	-	-	-	-	-	-	x	x
Software (compatibility / preinstalled)									
Microsoft Windows 2000	x / -	x / -	x / -	- / -	- / -	for projects	for projects	for projects	for projects
Microsoft Windows XP Home	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -
Microsoft Windows XP Professional	x / optional	x / optional	x / optional	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)
Microsoft Windows XP Professional x64 Edition	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -
Microsoft Windows Vista® 32bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® 64bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	x	x	x	x	x	x	x	x	x
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x	x	x	x	x	x	x	x	x
Linux certified	Novell SLED10	Novell SLED10	-	tbd	tbd	-	-	-	-
Additional Software									
Recovery DVD (Microsoft Windows XP / Vista)	x / optional	x / optional	x / optional	- / optional	- / optional	- / optional	optional	optional	optional
Drivers and Utility DVD (DUDVD) (Microsoft Windows XP / Vista)	x / optional	x / optional	x / optional	optional	optional	x / optional	x / optional	x / optional	x / optional
XONTRÖL (noise reduction for optical drives)	x	x	x	x	x	x	x	x	x
Others									
Thermal Management	x	x	x	x	x	x	x	x	x
Keyboard on (Fujitsu Siemens Computers keyboard required)	x	x	x	x	x	x	x	x	x
Spare part availability	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Compatibility (references)									
Microsoft Operating Systems (HCT / HCL entry)	x	x	x	x	x	x	x	x	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0	x	x	x	x	x	x	x	x	x
Manageability									

	E5615, EPA	E5615	E5616	E5625	E5625 EPA	E5720	E5720, EPA	E5925 vPro	E5925 vPro, EPA
ASF 2.0 (Alert Standard Format)	-	-	-	x	x	x	x	x	x
iAMT Intel Active Manageability Technology (not activated, not provisioned, for Win XP Prof and Vista Business only)	-	-	-	-	-	-	-	x (v.3.0)	x (v. 3.0)
DeskView 10.x client management including:									
On/Offline remote client management	x	x	x	x	x	x	x	x	x
Detailed system inventory management and reports	x	x	x	x	x	x	x	x	x
BIOS Management	x	x	x	x	x	x	x	x	x
Remote power management	x	x	x	x	x	x	x	x	x
System notifications	x	x	x	x	x	x	x	x	x
Advanced alerts (ASF implementation)	-	-	-	-	-	x	x	x	x
Security Remote Control	x	x	x	x	x	x	x	x	x
DeskView Helpdesk Integration	x	x	x	x	x	x	x	x	x
DeskUpdate Driver management	x	x	x	x	x	x	x	x	x
DeskView Migrate	optional	optional	optional	optional	optional	optional	optional	optional	optional
DeskView Control	optional	optional	optional	optional	optional	optional	optional	optional	optional
PXE 2.1 Boot code	x	x	x	x	x	x	x	x	x
BootP Boot Code including Bootmanage Administrator Software	tested	tested	tested	tested	tested	tested	tested	tested	tested
Wake up from S5 (off mode)	x	x	x	x	x	x	x	x	x
Intrusion switch	optional	optional	optional	optional	optional	optional	optional	optional	optional
Security									
Physical Security implemented in the cabinet									
Prepared for Kensington lock, eye for padlock	x	x	x	x	x	x	x	x	x
Integrated cabinet lock	optional	optional	optional	optional	optional	optional	optional	optional	optional
System Security									
Boot sector virus protection	x	x	x	x	x	x	x	x	x
Write protect option for the Flash EPROM	x	x	x	x	x	x	x	x	x
Embedded security (TPM1.2)	-	-	Infineon	Infineon	Infineon	Infineon	Infineon	Infineon	Infineon
Control of all USB interfaces / external USB interfaces detachable separately	x / -	x / -	x / -	x / x	x / x	x / x	x / x	x / x	x / x
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x	x	x	x	x	x	x	x	x
Control of external interfaces	x	x	x	x	x	x	x	x	x
User Security									
User and supervisor BIOS password	x	x	x	x	x	x	x	x	x
SystemLock 2 BIOS SmartCard Security	x	x	x	x	x	x	x	x	x
Hard disk password	x	x	x	x	x	x	x	x	x
Access protection via external SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional	optional
Access protection via internal SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional	optional
Serviceability									
FlexySlot	x	x	x	x	x	x	x	x	x
EasyFix	x	x	x	x	x	x	x	x	x
EasyChange (for HDD / for optical drives)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
EasyPull	x	x	x	x	x	x	x	x	x
Packaging information									
Dimension outside (H x W x D) in mm	500x290x5 40	500x290x5 40	500x290x5 40	500x290x5 40	500x290x5 40	500x290x5 40	500x290x5 40	500x290x5 40	500x290x5 40
Max. quantity/ pallet	24	24	24	24	24	24	24	24	24
Material/ weight in g									
Carton	1270g	1270g	1270g	1270g	1270g	1270g	1270g	1270g	1270g
EPS / PS	230g	230g	230g	230g	230g	230g	230g	230g	230g
PE	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g
printed user documentation is bleached in chlorine free process									
Logos									

Recycling information/ End of life service information

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<http://www.fujitsu-siemens.com/recycling>

information about environmental initiatives, policies, programs and goals can be found here

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Product material information

For all restricted substances see the Environmental guideline FSC03230

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